

FIG. 1A
(PRIOR ART)

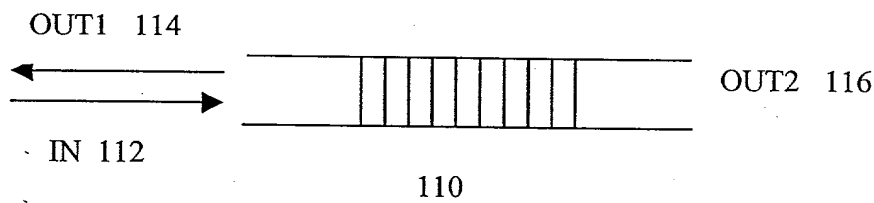


FIG. 1B
(PRIOR ART)

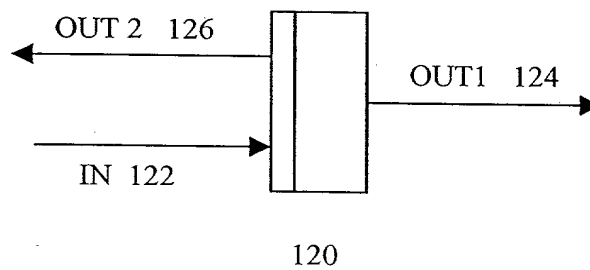


FIG. 1C
(PRIOR ART)

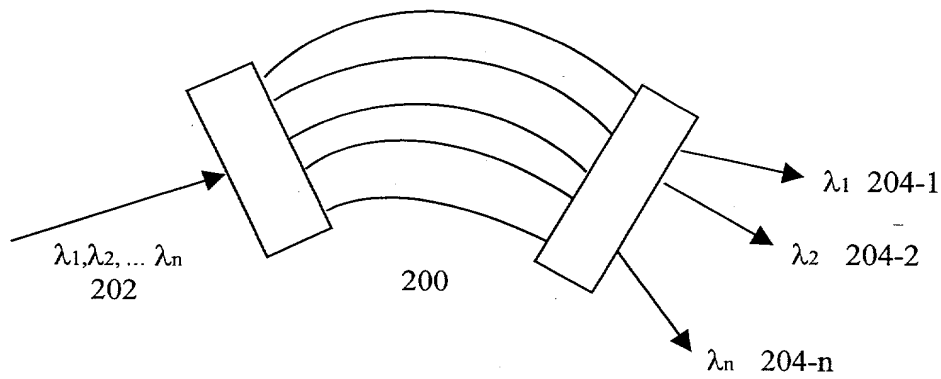


FIG. 2A
(PRIOR ART)

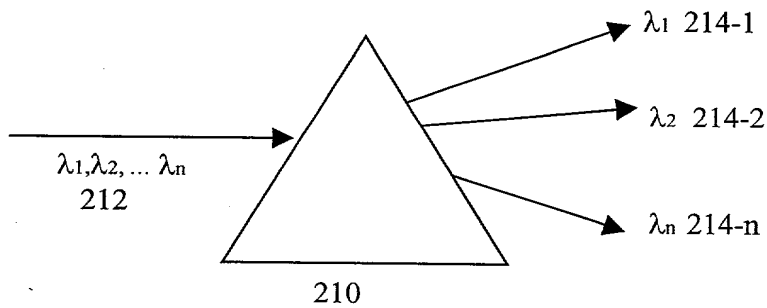


FIG. 2B
(PRIOR ART)

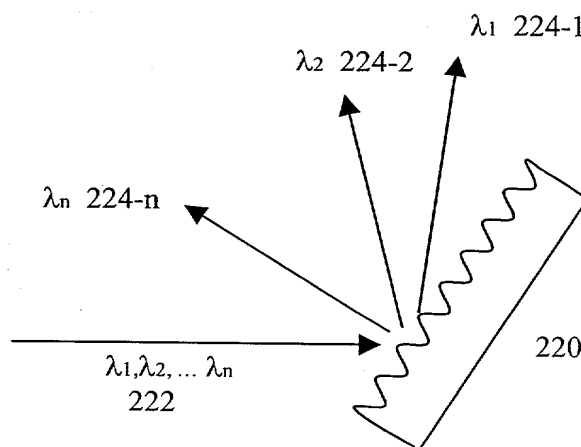


FIG. 2C
(PRIOR ART)

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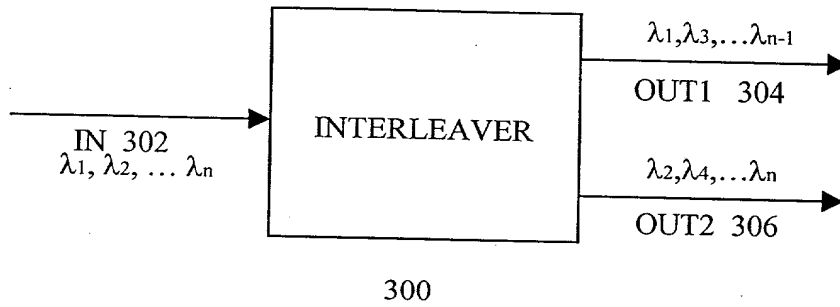


FIG. 3A
(PRIOR ART)

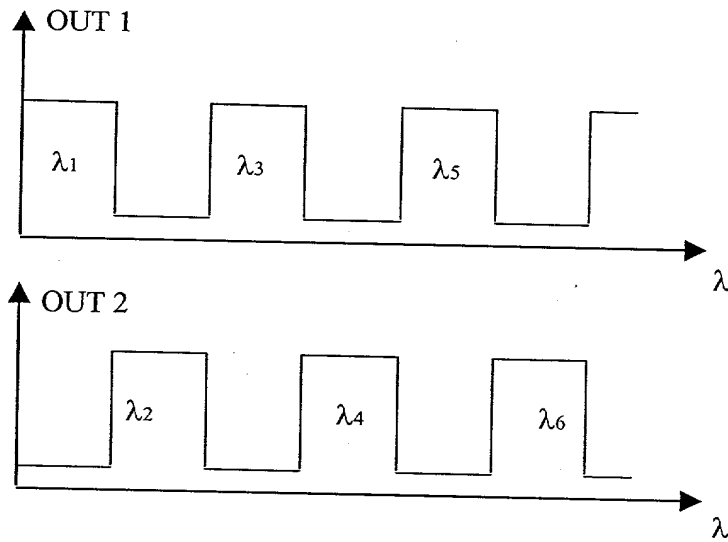


FIG. 3B
(PRIOR ART)

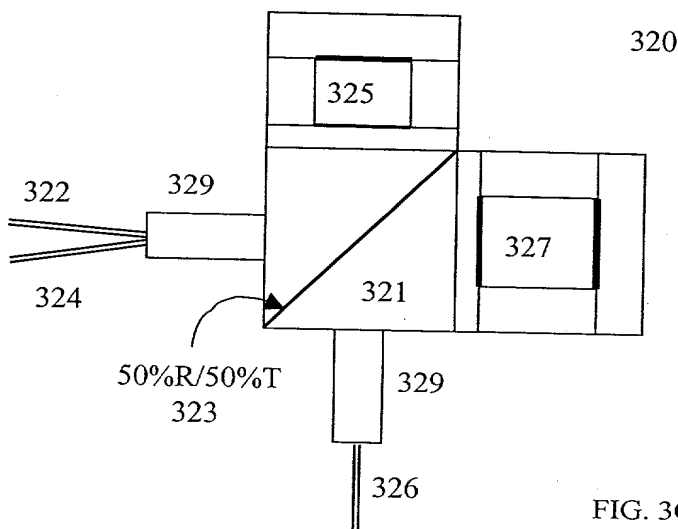


FIG. 3C
(PRIOR ART)

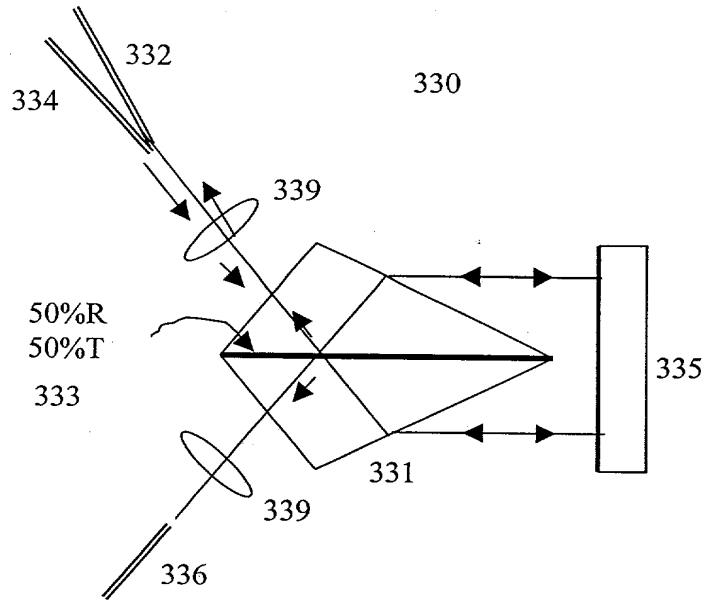


FIG. 3D
(PRIOR ART)

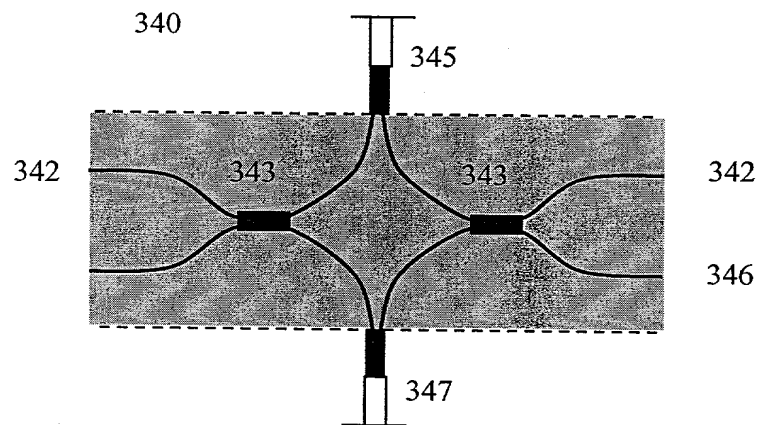


FIG. 3E
(PRIOR ART)

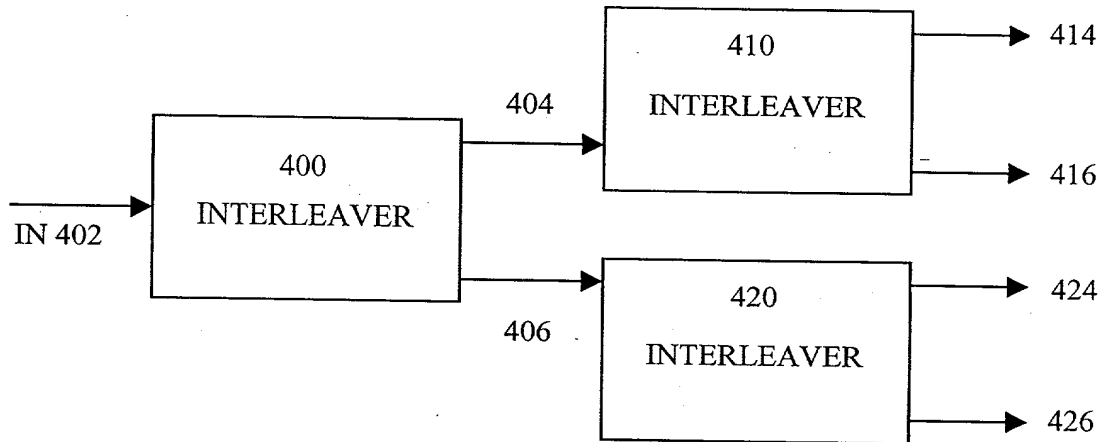


FIG. 4A
(PRIOR ART)

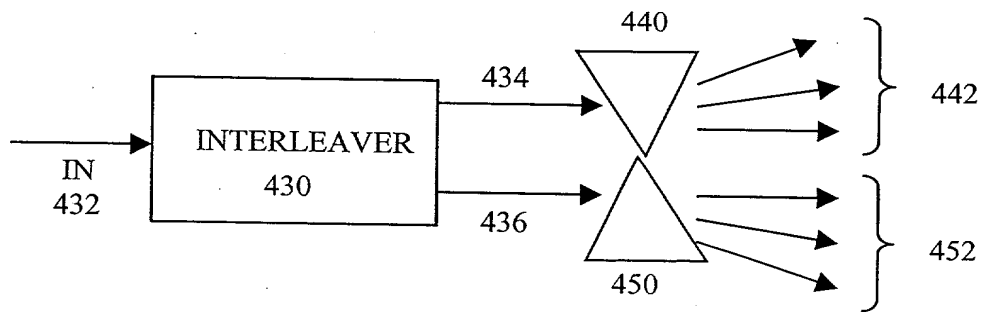


FIG. 4B
(PRIOR ART)

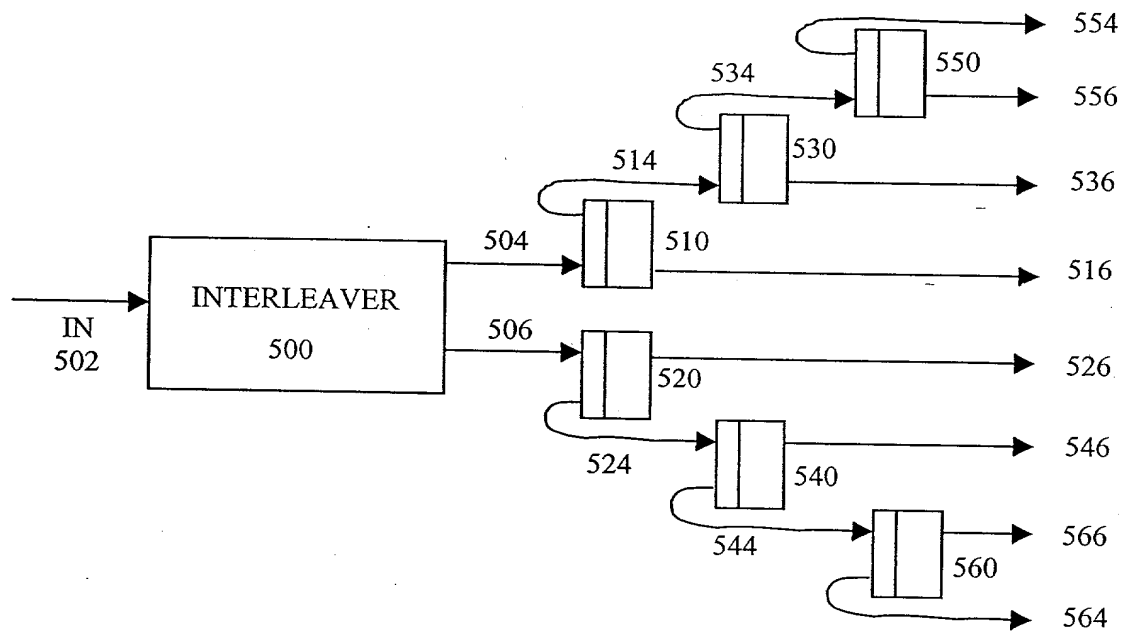


FIG. 5
(PRIOR ART)

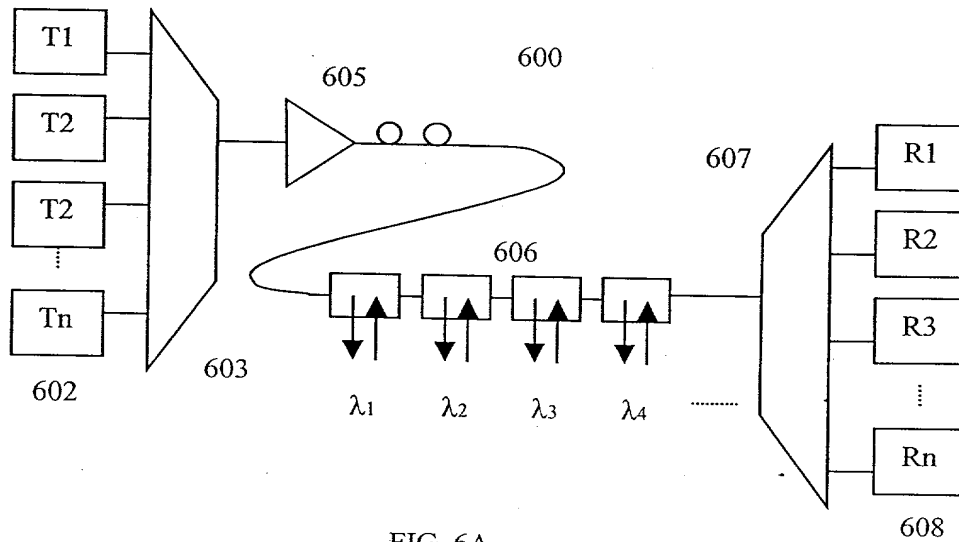


FIG. 6A
(PRIOR ART)

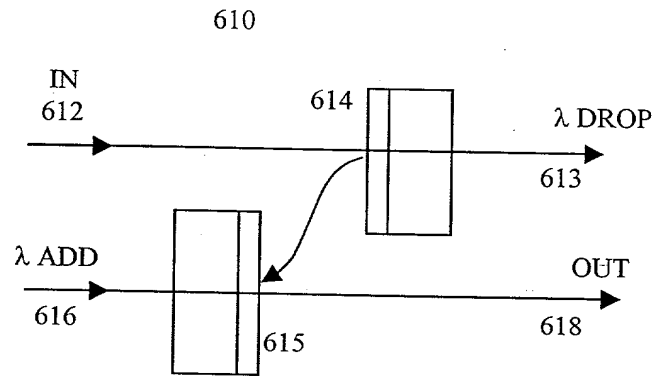


FIG. 6B
(PRIOR ART)

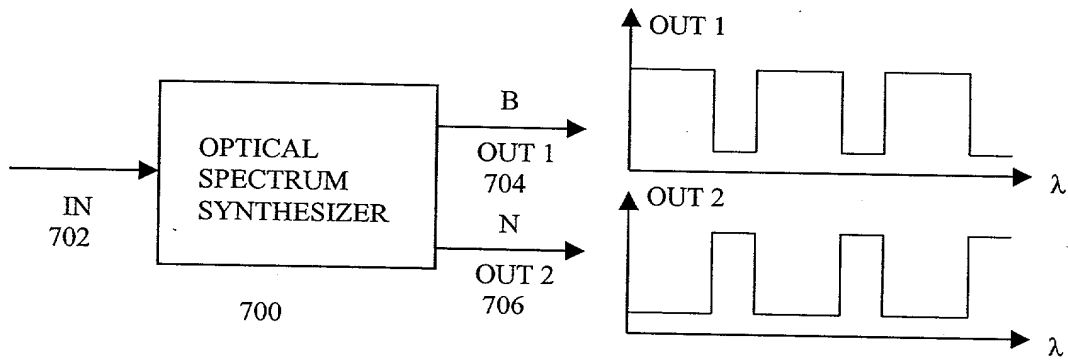


FIG. 7A

FIG. 7B

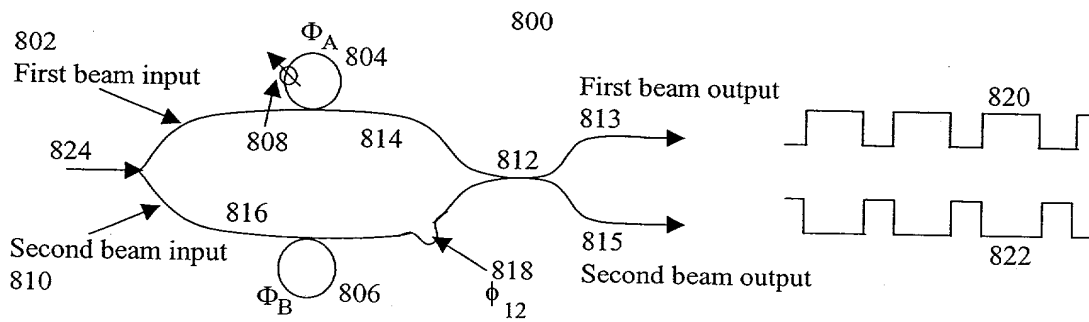


Fig. 8A

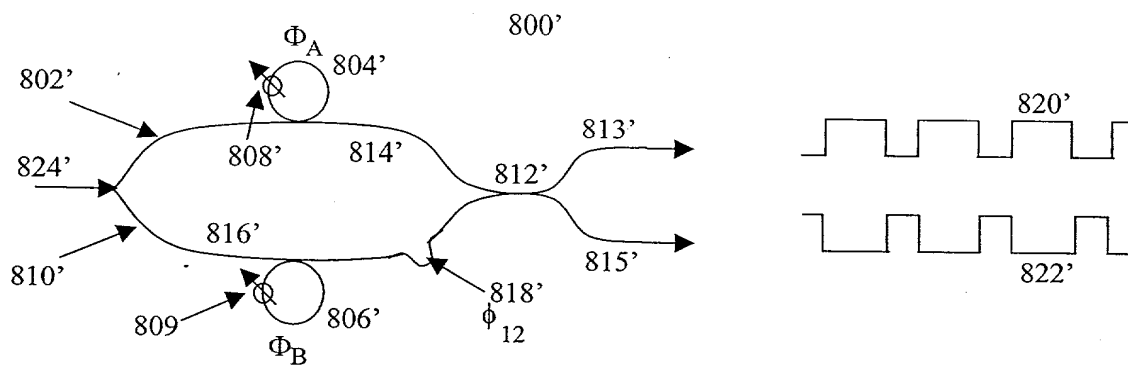


Fig. 8B

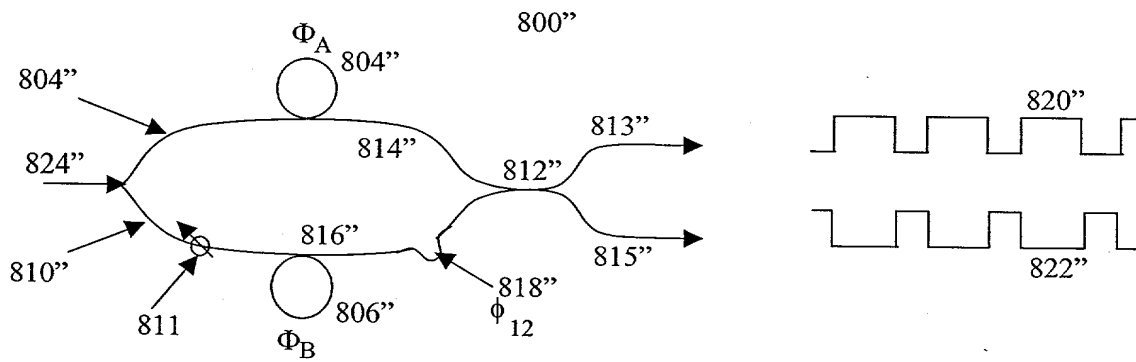


Fig. 8C

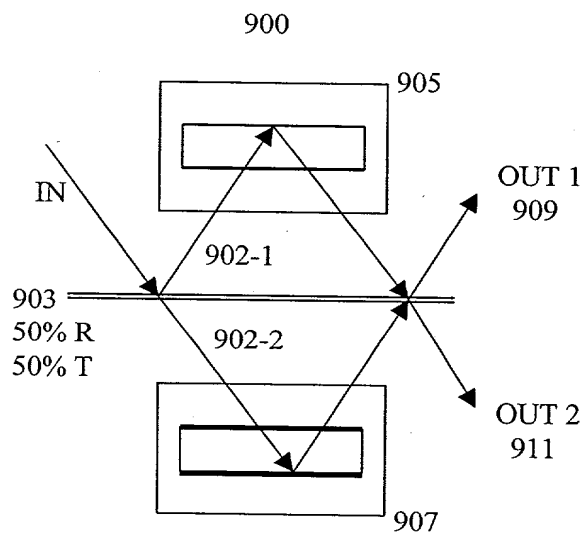


FIG. 9A

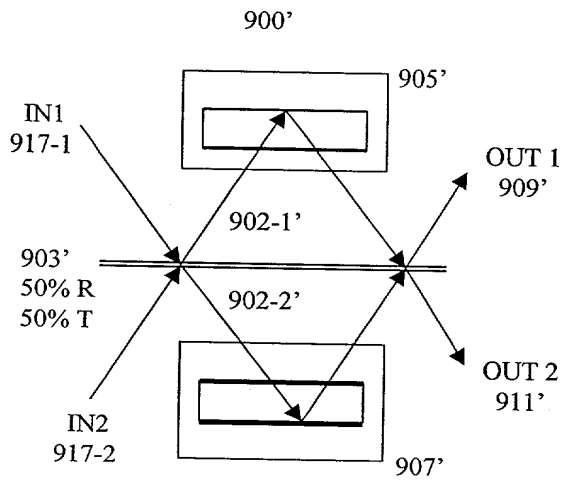


FIG. 9B

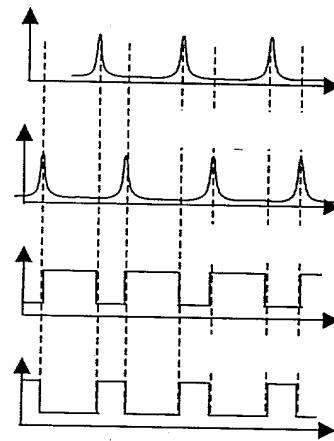


FIG. 9C

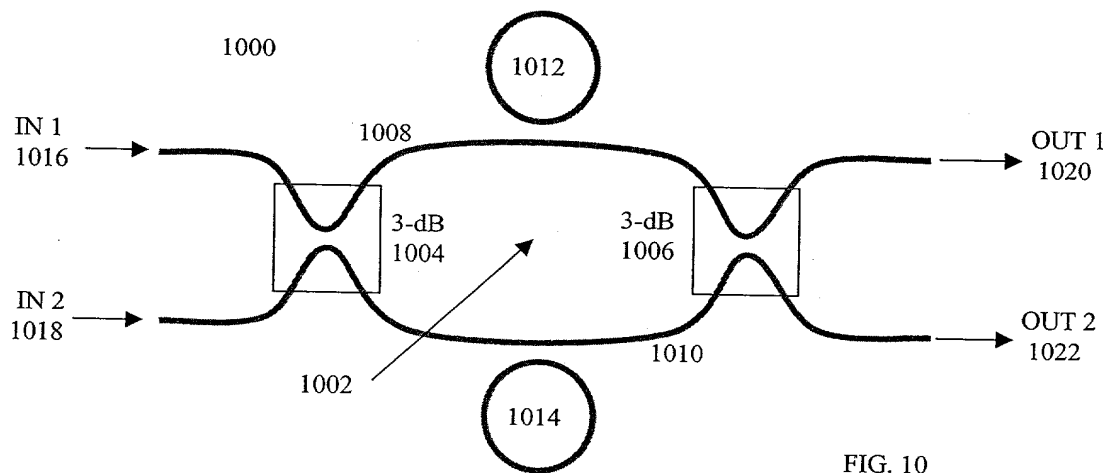


FIG. 10

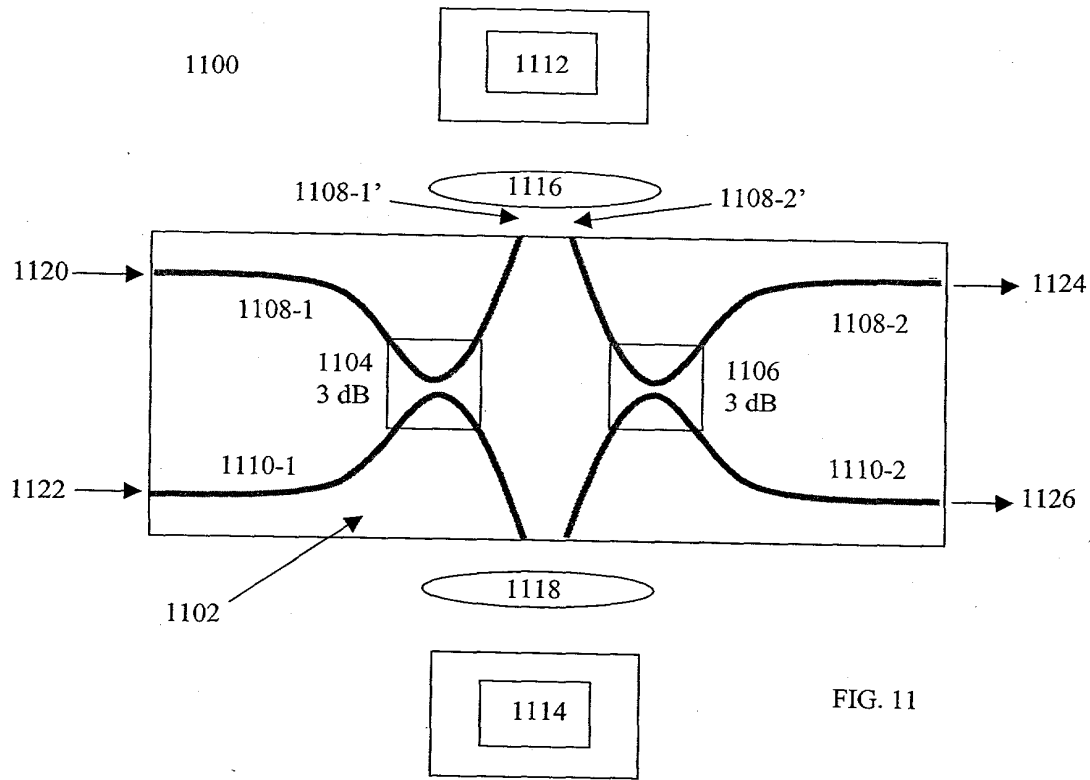


FIG. 11

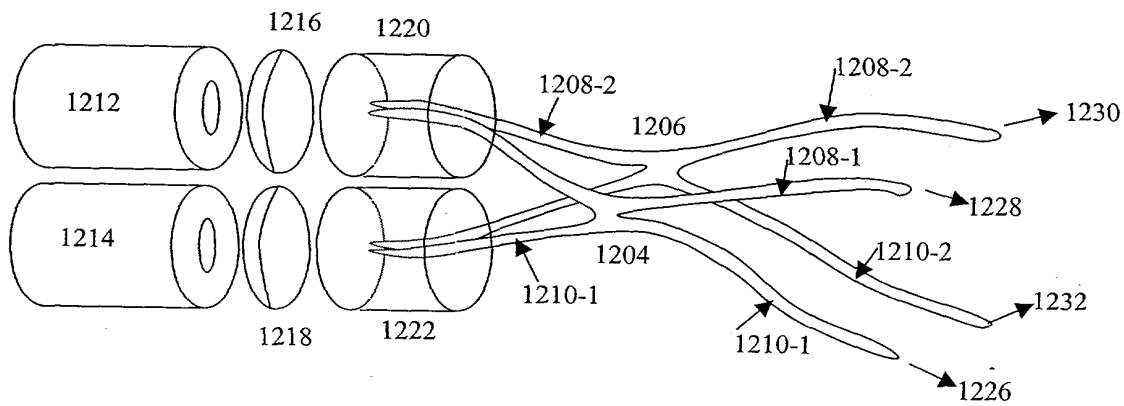


FIG. 12

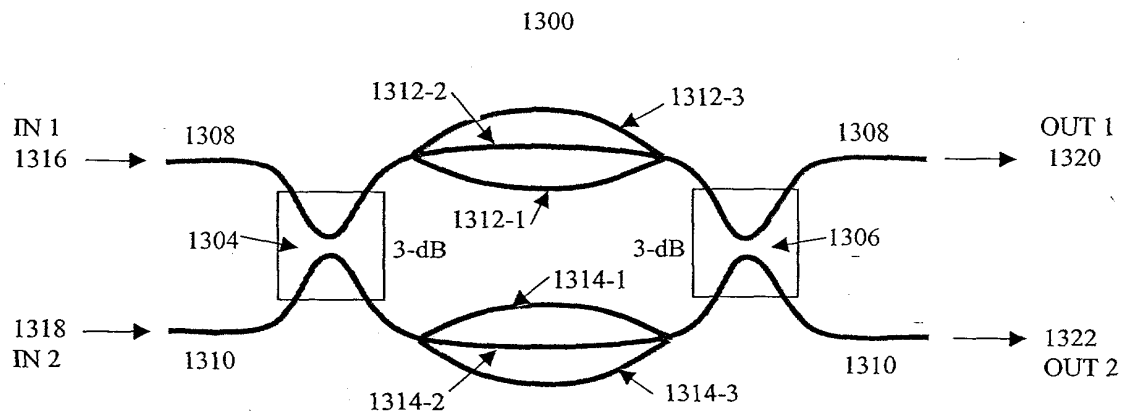


FIG. 13

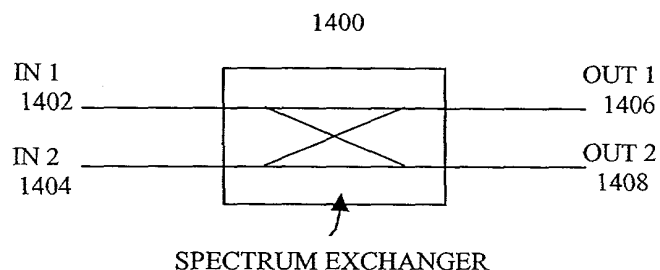


FIG. 14

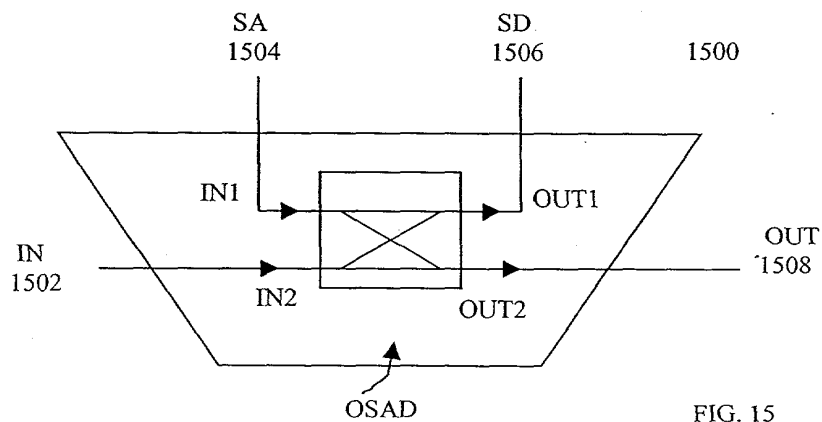


FIG. 15

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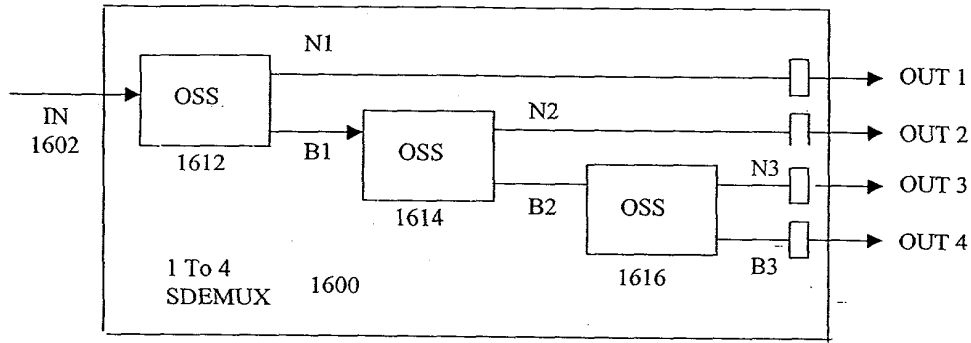


FIG. 16A

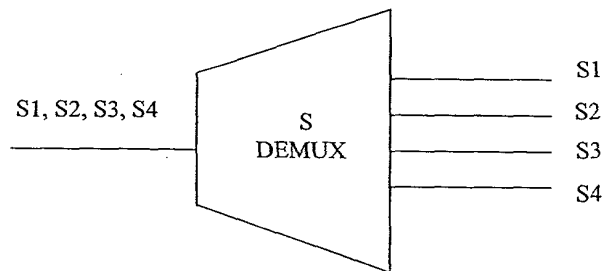


FIG. 16B

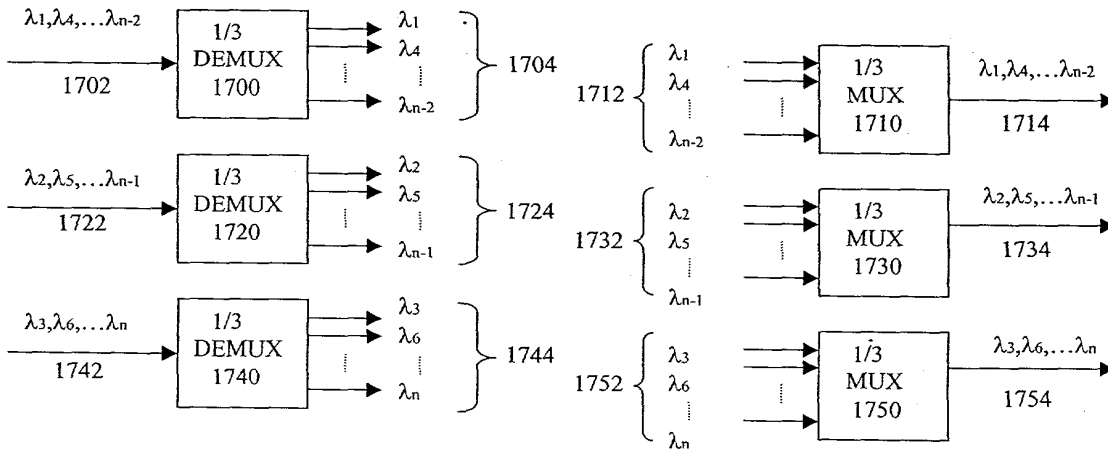


FIG. 17A

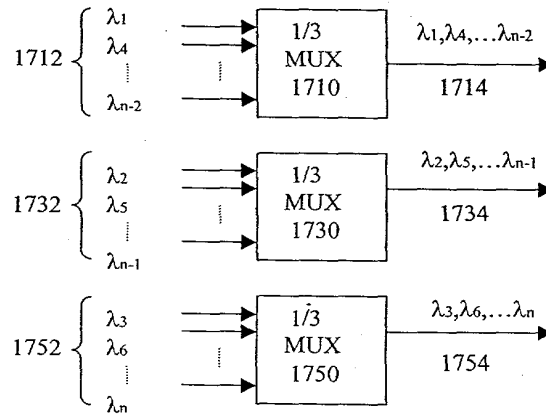


FIG. 17B

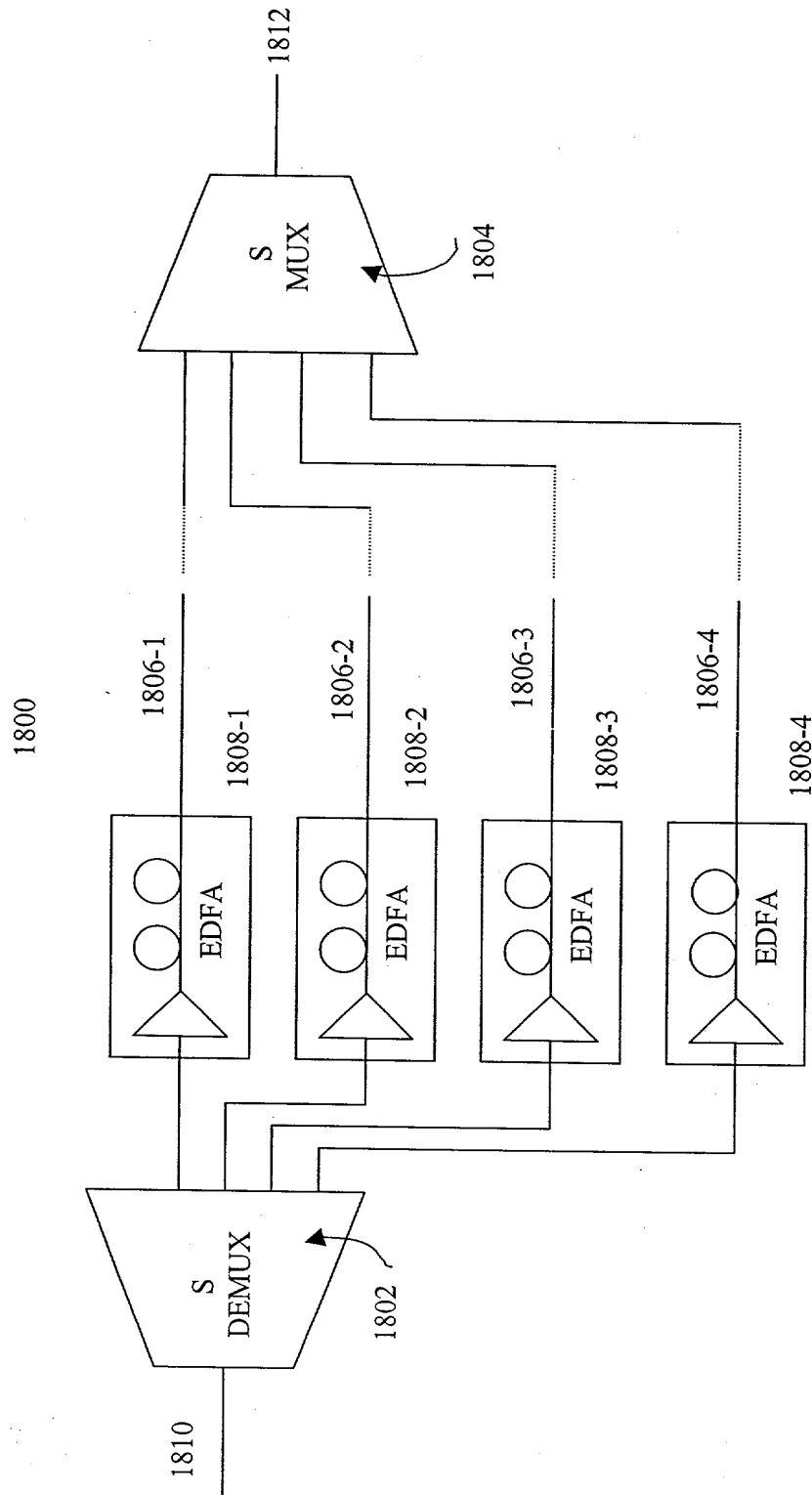


FIG. 18

SPECTRUM ADD-DROP MODULE 1900

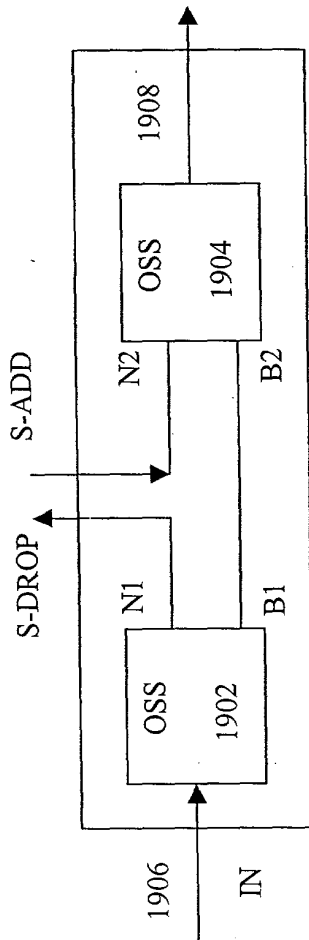


FIG. 19A

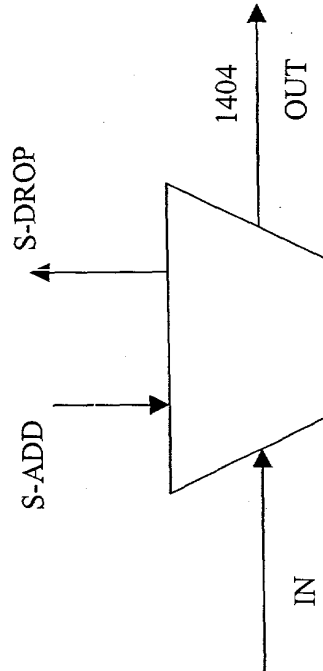


FIG. 19B

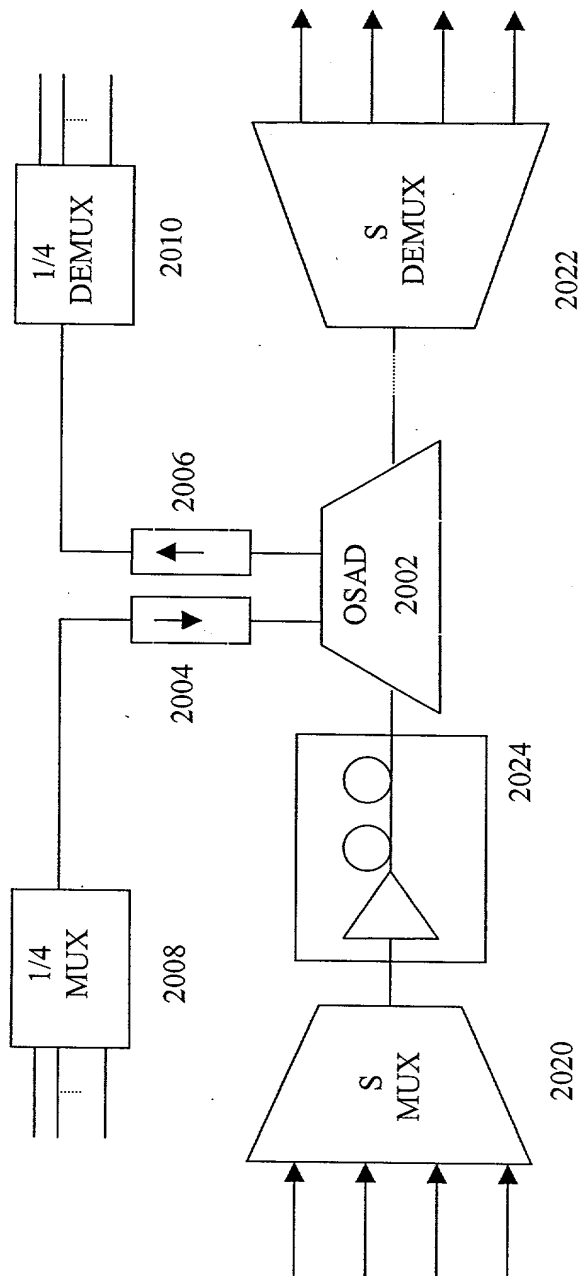


FIG. 20

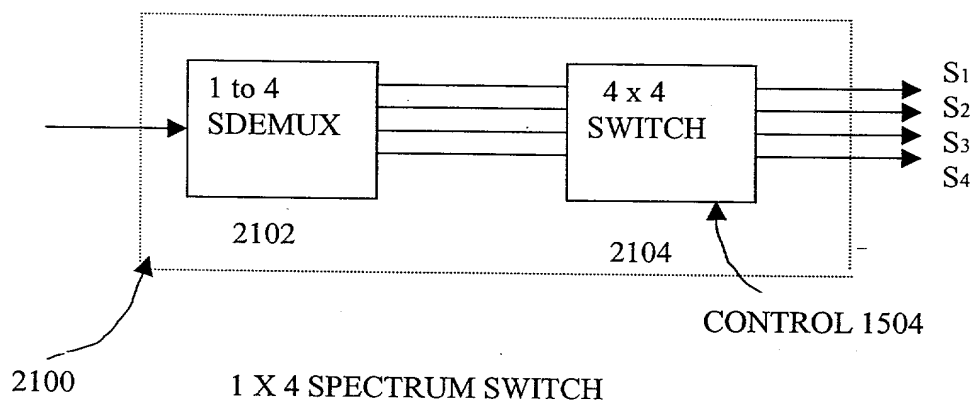


FIG. 21A

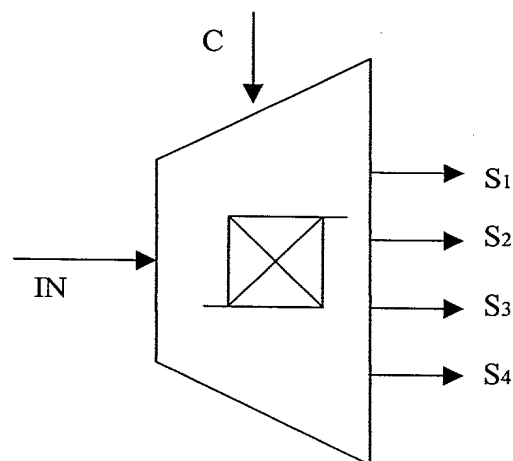
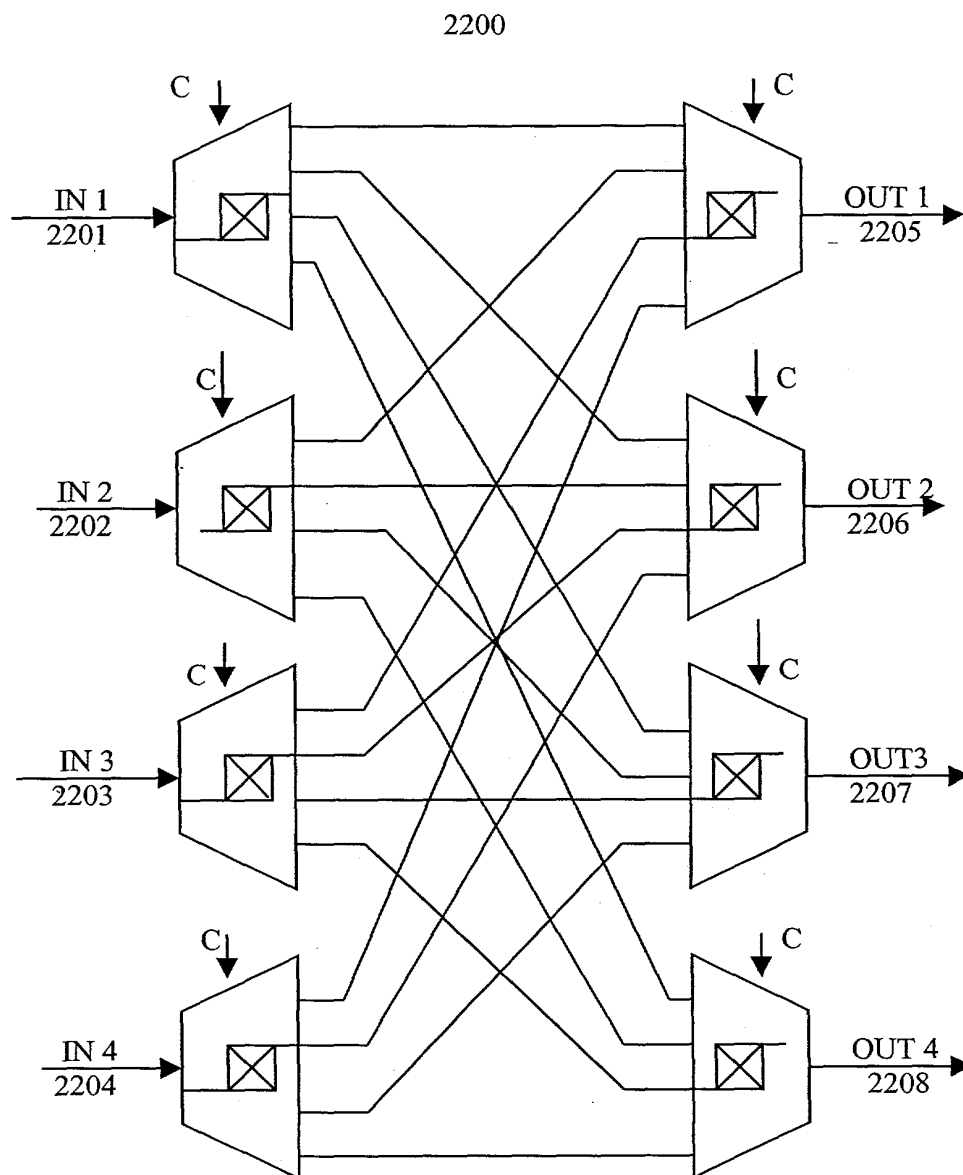


FIG. 21B



4x4x4 SPECTRUM CROSS-CONNECT

FIG. 22

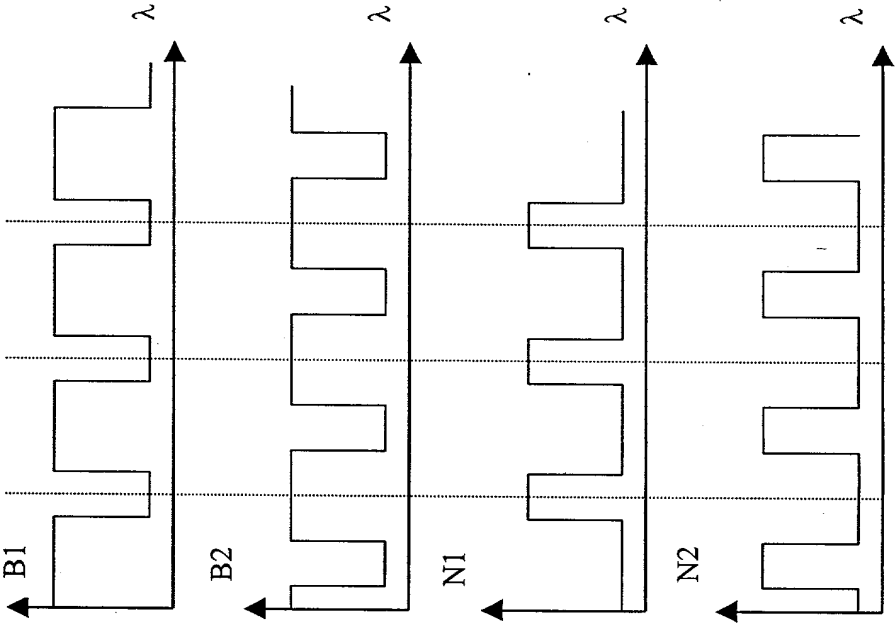


FIG. 23B

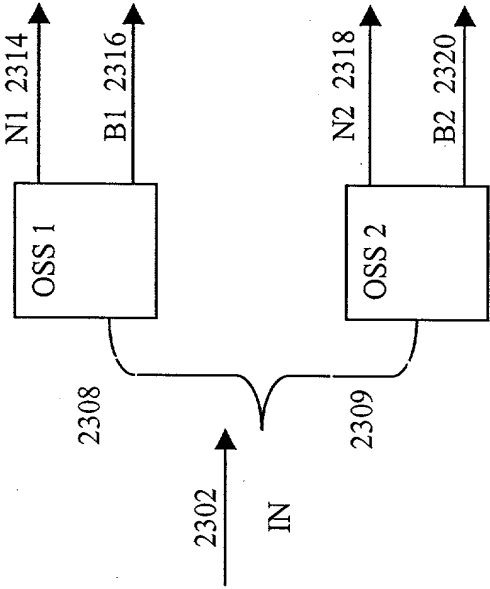


FIG. 23A

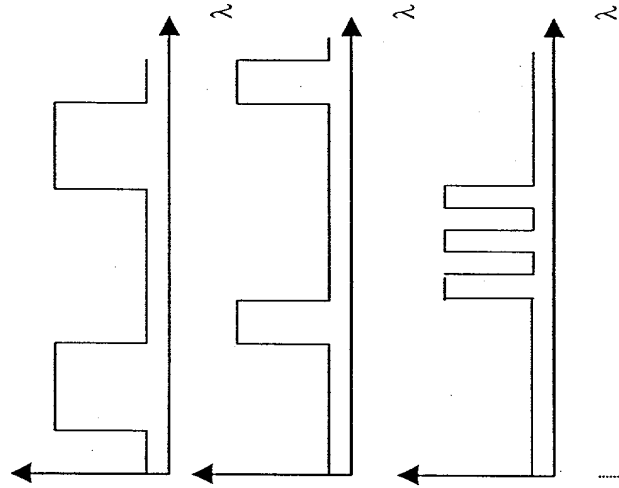


FIG. 24B

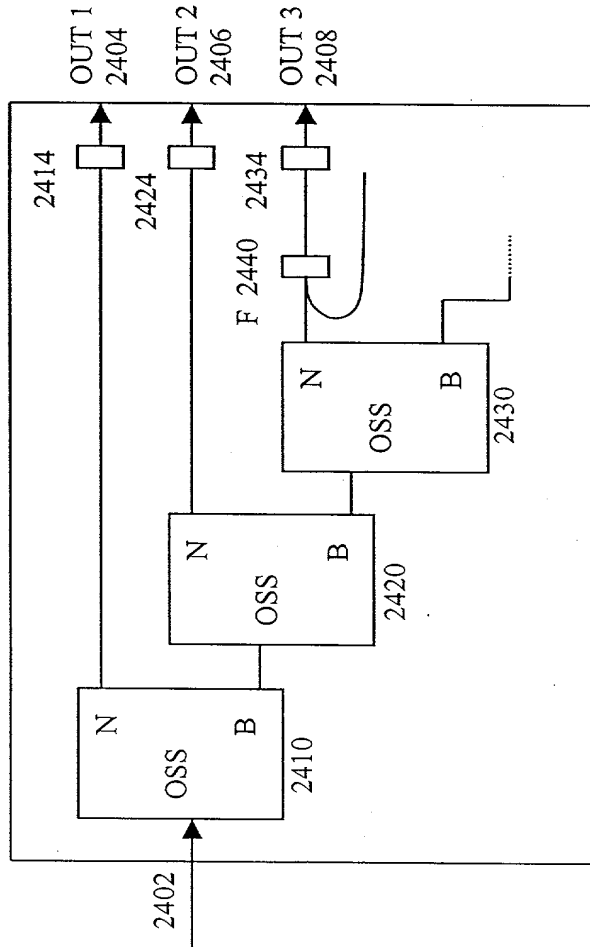


FIG. 24A